

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims:

1. (Canceled)

2. (Canceled)

3. (Currently Amended) A communication apparatus comprising:

receiving means for receiving operation data obtained by each user for dynamic data played back by a playback apparatus;

storage means for storing the operation data received by said receiving means;

digest-information generating means for generating digest information of the dynamic data according to the operation data stored in said storage means; and

transmission means for transmitting the digest information generated by said digest-information generating means to at least one of the playback apparatuses,

wherein said receiving means receives the operation data indicating at least one of instructions to fast forward, rewind and pause the dynamic data played back by the playback apparatus,

~~A communication apparatus according to claim 1,~~ wherein[[:]] said receiving means receives playback-portion identification information indicating a playback portion of the dynamic data played back by the playback apparatus; and

said digest-information generating means comprises statistical processing means for accumulating playback times of the playback portion based on the playback-portion identification information received by said receiving means, and generates the digest information based on an accumulation result obtained by said statistical processing means.

4. (Original) A communication apparatus according to claim 3, wherein said digest-information generating means generates the digest information from the playback portion whose accumulated playback times indicate a predetermined threshold or greater.

5. (Original) A communication apparatus according to claim 3, wherein said digest-information generating means generates the digest information from the portions other than the playback portion whose accumulated playback times indicate a predetermined threshold or smaller.

6. (Original) A communication apparatus according to claim 3, wherein said receiving means receives, together with the operation data, at least one of title information, playback time information, and user attribute information of the dynamic data played back by the playback apparatus.

7. (Original) A communication apparatus according to claim 6, wherein:
said storage means stores the operation data of a plurality of users corresponding to the title information;

said statistical processing means accumulates the playback times of the playback portion according to the title information based on the operation data of the plurality of users;

said digest-information generating means generates the digest information based on the accumulation result; and

said transmission means transmits the digest information to the playback apparatus for playing back the title information.

8. (Original) A communication apparatus according to claim 7, wherein the user attribute information includes at least one type of the age, the gender, and the life-style, and said digest-information generating means generates the digest information according to the type of the user attribute information.

9. (Canceled)

10. (Currently Amended) A communication apparatus comprising:
receiving means for receiving operation data obtained by each user for dynamic
data played back by a playback apparatus;
storage means for storing the operation data received by said receiving means;
digest-information generating means for generating digest information of the
dynamic data according to the operation data stored in said storage means; and
transmission means for transmitting the digest information generated by said
digest-information generating means to at least one of the playback apparatuses,

wherein said receiving means receives as the operation data time-space position data designating a time-space position of the dynamic data played back by the playback apparatus,

~~A communication apparatus according to claim 9, wherein~~[[:]] said storage means stores a plurality of the dynamic data; and

said transmission means encodes the dynamic data and transmits the encoded dynamic data to the playback apparatus in response to a request from the user, in which said transmission means encodes a target area designated by the time-space position data at a first resolution level, and encodes areas other than the target area at a second resolution level which is lower than the first resolution level.

11-13. (Canceled)

14. (Currently Amended) A communication apparatus comprising:
receiving means for receiving operation data obtained by each user for dynamic data played back by a playback apparatus;
storage means for storing the operation data received by said receiving means;
digest-information generating means for generating digest information of the dynamic data according to the operation data stored in said storage means; and
transmission means for transmitting the digest information generated by said digest-information generating means to at least one of the playback apparatuses,
wherein said transmission means transmits predetermined dynamic data to the playback apparatus in response to a request from the user;

said receiving means receives the operation data obtained by each user for the dynamic data transmitted by said transmission means;

said digest-information generating means generates the digest information of the dynamic data according to the operation data;

said transmission means transmits the generated digest information to the corresponding playback apparatus in response to a request from the user,

wherein said receiving means receives as the operation data time-space position data designating a time-space position of the dynamic data transmitted by said transmission means and played back by the playback apparatus, and

~~A communication apparatus according to claim 13,~~ wherein said transmission means encodes the dynamic data and transmits the encoded dynamic data to the playback apparatus in response to a request from the user, in which said transmission means encodes a target area designated by the time-space position data at a first resolution level, and encodes areas other than the target area at a second resolution level which is lower than the first resolution level, and transmits the encoded dynamic data.

15. (Original) A communication apparatus according to claim 14, wherein said digest-information generating means comprises statistical processing means for accumulating designation times of each of the time-space positions based on the time-space position data of the identical dynamic data received from a plurality of users by said receiving means, and generates the digest information based on an accumulation result obtained by said statistical processing means.

16. (Original) A communication apparatus according to claim 15, wherein said digest-information generating means dynamically sorts the accumulation results of scenes designated by the time-space position data obtained by said statistical processing means in descending numeric order, and extracts a predetermined number of scenes having a greater number of the accumulated designation times according to a sorting result, thereby dynamically generating the digest information.

17. (Original) A communication apparatus according to claim 16, wherein:
said transmission means comprises broadcast means for broadcasting the dynamic data to the playback apparatuses of unspecified users;
when said receiving means receives request information to send the digest information from the playback apparatus while the dynamic data is being broadcast, said digest-information generating means generates the digest information during a period from when the dynamic data is started until when the digest information is transmitted; and
said transmission means transmits the digest information to the playback apparatus.

18. (Original) A communication apparatus according to claim 16, wherein:
when said receiving means receives request information to send the digest information from a specific playback apparatus, said digest-information generating means compares the digest information generated based on the sorting result with the scenes designated by the time-space position data of the user of the specific playback apparatus, and preferentially

selects the scenes unique to the time-space position data of the user, thereby generating new digest information for the user.

19-30. (Canceled)

31. (Currently Amended) A communication apparatus comprising:

receiving means for receiving dynamic data from an external source;

playback means for playing back the dynamic data received by said receiving

means;

input means for inputting as input data user favorite data for the dynamic data

played back by said playback means;

digest-information generating means for generating digest information based on

the input data input by said input means; and

transmission means for transmitting the digest information generated by said

digest-information generating means to a portable terminal,

~~A communication apparatus according to claim 29, wherein:~~

wherein said input means outputs as the input data playback-portion identification

information indicating a playback portion of the dynamic data played back by said playback

means; and

said digest-information generating means comprises statistical processing means

for accumulating playback times of the playback portion based on the playback-portion

identification information, and generates the digest information based on an accumulation result

obtained by said statistical processing means.

32. (Original) A communication apparatus according to claim 31, wherein said digest-information generating means generates the digest information from the playback portion whose accumulated playback times indicate a predetermined threshold or greater.

33. (Original) A communication apparatus according to claim 31, wherein said digest-information generating means generates the digest information from portions other than the playback portion whose accumulated playback times indicate a predetermined threshold or smaller.

34. (Original) A communication apparatus according to claim 31, wherein said input means outputs as the input data at least one of title information, playback time information, and user attribute information of the dynamic data played back by said playback means.

35. (Original) A communication apparatus according to claim 34, further comprising storage means for storing the operation data of a plurality of users corresponding to the title information, wherein:

said statistical processing means accumulates the playback times of each of the playback portions according to the title information based on the operation data of the plurality of users; and

said digest-information generating means generates the digest information based on the accumulation result.

36. (Original) A communication apparatus according to claim 35, wherein the user attribute information includes at least one type of the age, the gender, and the life-style, and said digest-information generating means generates the digest information according to the type of the user attribute information.

37-40. (Canceled)

41. (Currently Amended) A communication apparatus comprising:
receiving means for receiving dynamic data from an external source;
playback means for playing back the dynamic data received by said receiving
means;
input means for inputting as input data user favorite data for the dynamic data
played back by said playback means;
digest-information generating means for generating digest information based on
the input data input by said input means; and
transmission means for transmitting the digest information generated by said
digest-information generating means to a portable terminal,
wherein said receiving means comprises broadcast receiving means for receiving
the dynamic data to be broadcast to said playback means of unspecified users,
wherein said input means outputs as the input data time-space position data
designating a time-space position of the dynamic data received by said broadcast receiving
means and played back by said playback means,

~~A communication apparatus according to claim 40,~~ wherein said digest-information generating means comprises statistical processing means for accumulating designation times of each of the time-space positions based on the time-space position data of the identical dynamic data input by said input means, and generates the digest information based on an accumulation result obtained by said statistical processing means.

42. (Original) A communication apparatus according to claim 41, wherein said digest-information generating means dynamically sorts the accumulation results of scenes designated by the time-space position data obtained by said statistical processing means in descending numeric order, and extracts a predetermined number of scenes having a greater number of the accumulated designation times according to a sorting result, thereby dynamically generating the digest information.

43. (Original) A communication apparatus according to claim 42, wherein, when said input means outputs request information to send the digest information from said playback means while the dynamic data is being broadcast, said digest-information generating means generates the digest information during a period from when the dynamic data is started until when the digest information is transmitted.

44. (Original) A communication apparatus according to claim 42, wherein, when said input means outputs request information to send the digest information from a specific user, said digest-information generating means compares the digest information generated based on the sorting result with the scenes designated by the time-space position data of the specific user,

and preferentially selects the scenes unique to the time-space position data of the specific user, thereby generating new digest information for the specific user.

45-54. (Canceled)

55. (New) A communication apparatus comprising:

a receiving unit adapted to receive operation data obtained by each user for dynamic data played back by a playback apparatus;

a storage unit adapted to store the operation data received by said receiving unit;

a digest-information generating unit adapted to generate digest information of the dynamic data according to the operation data stored in said storage unit; and

a transmission unit adapted to transmit the digest information generated by said digest-information generating unit to at least one of the playback apparatuses,

wherein said receiving unit receives playback-portion identification information indicating a playback portion of the dynamic data played back by the playback apparatus; and

said digest-information generating unit comprises statistical processing unit for accumulating playback times of the playback portion based on the playback-portion identification information received by said receiving unit, and generates the digest information based on an accumulation result obtained by said statistical processing unit.

56. (New) A communication apparatus comprising:

a receiving unit adapted to receive operation data obtained by each user for dynamic data played back by a playback apparatus;

a storage unit adapted to store the operation data received by said receiving unit;

a digest-information generating unit adapted to generate digest information of the dynamic data according to the operation data stored in said storage unit; and

a transmission unit adapted to transmit the digest information generated by said digest-information generating unit to at least one of the playback apparatuses,

wherein said receiving unit receives as the operation data time-space position data designating a time-space position of the dynamic data played back by the playback apparatus,

wherein said storage unit stores a plurality of the dynamic data; and

said transmission unit encodes the dynamic data and transmits the encoded dynamic data to the playback apparatus in response to a request from the user, in which said transmission unit encodes a target area designated by the time-space position data at a first resolution level, and encodes areas other than the target area at a second resolution level which is lower than the first resolution level.

57. (New) A communication apparatus comprising:

a receiving unit adapted to receive operation data obtained by each user for dynamic data played back by a playback apparatus;

a storage unit for storing the operation data received by said receiving unit;

a digest-information generating unit for generating digest information of the dynamic data according to the operation data stored in said storage unit; and

a transmission unit for transmitting the digest information generated by said digest-information generating unit to at least one of the playback apparatuses,

wherein said transmission unit transmits predetermined dynamic data to the playback apparatus in response to a request from the user,

wherein said receiving unit receives the operation data obtained by each user for the dynamic data transmitted by said transmission unit;

wherein said digest-information generating unit generates the digest information of the dynamic data according to the operation data; and

wherein said transmission unit transmits the generated digest information to the corresponding playback apparatus in response to a request from the user,

wherein said receiving unit receives as the operation data time-space position data designating a time-space position of the dynamic data transmitted by said transmission unit and played back by the playback apparatus, and

wherein said transmission unit encodes the dynamic data and transmits the encoded dynamic data to the playback apparatus in response to a request from the user, in which said transmission unit encodes a target area designated by the time-space position data at a first resolution level, and encodes areas other than the target area at a second resolution level which is lower than the first resolution level, and transmits the encoded dynamic data.

58. (New) A communication apparatus comprising:

a receiving unit adapted to receive dynamic data from an external source;

a playback unit adapted to play back the dynamic data received by said receiving unit;

an input unit adapted to input as input data user favorite data for the dynamic data played back by said playback unit;

a digest-information generating unit adapted to generate digest information based on the input data input by said input unit; and

a transmission unit adapted to transmit the digest information generated by said digest-information generating unit to a portable terminal,

wherein said input unit outputs as the input data playback-portion identification information indicating a playback portion of the dynamic data played back by said playback unit; and

said digest-information generating unit comprises statistical processing unit for accumulating playback times of the playback portion based on the playback-portion identification information, and generates the digest information based on an accumulation result obtained by said statistical processing unit.

59. (New) A communication apparatus comprising:

a receiving unit adapted to receive dynamic data from an external source;

a playback unit adapted to play back the dynamic data received by said receiving unit;

an input unit adapted to input as input data user favorite data for the dynamic data played back by said playback unit;

a digest-information generating unit adapted to generate digest information based on the input data input by said input unit; and

a transmission unit adapted to transmit the digest information generated by said digest-information generating unit to a portable terminal,

wherein said receiving unit comprises broadcast receiving unit for receiving the dynamic data to be broadcast to said playback unit of unspecified users,

wherein said input unit outputs as the input data time-space position data designating a time-space position of the dynamic data received by said broadcast receiving unit and played back by said playback unit,

wherein said digest-information generating unit comprises statistical processing unit for accumulating designation times of each of the time-space positions based on the time-space position data of the identical dynamic data input by said input unit, and generates the digest information based on an accumulation result obtained by said statistical processing unit.